Structure attributes must be viewed using STN Express query preparation.

```
=> s l4
SAMPLE SEARCH INITIATED 17:48:01 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      1 TO ITERATE

100.0% PROCESSED       1 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            1 TO       80
PROJECTED ANSWERS:               0 TO        0

L6             0 SEA SSS SAM L4

=> s l4 sss full
FULL SEARCH INITIATED 17:48:08 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     23 TO ITERATE

100.0% PROCESSED      23 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

L7             0 SEA SSS FUL L4

=> s l5 sss full
FULL SEARCH INITIATED 17:48:17 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    192 TO ITERATE

100.0% PROCESSED     192 ITERATIONS                               13 ANSWERS
SEARCH TIME: 00.00.01

L8            13 SEA SSS FUL L5

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                             448.45     448.66

FILE 'CAPLUS' ENTERED AT 17:48:28 ON 26 SEP 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 26 Sep 2003  VOL 139 ISS 14
FILE LAST UPDATED: 25 Sep 2003  (20030925/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.
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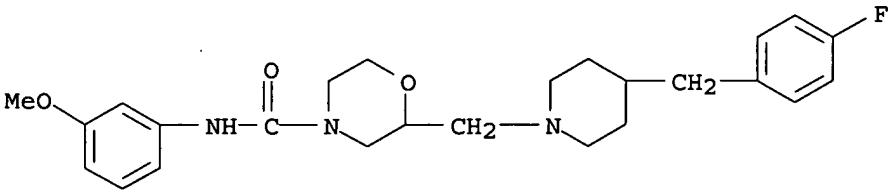
=> s l8
L9 2 L8

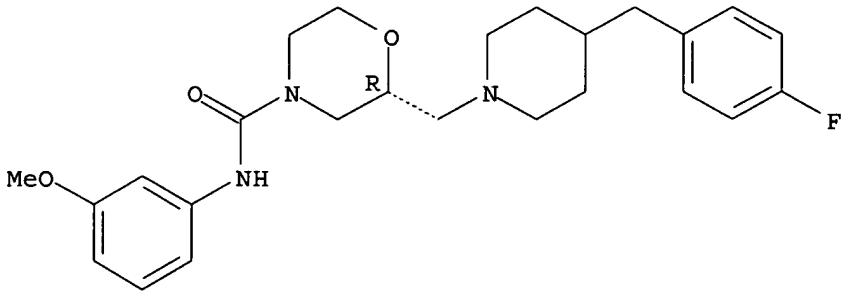
=> d l9 1-2 ibib abs hitstr

L9 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 2002:438597 CAPLUS
DOCUMENT NUMBER: 138:66148
TITLE: CCR3 antagonists: a potential new therapy for the treatment of asthma. Discovery and structure-activity relationships
AUTHOR(S): Wacker, Dean A.; Santella, Joseph B., III; Gardner, Daniel S.; Varnes, Jeffrey G.; Estrella, Melissa; DeLucca, George V.; Ko, Soo S.; Tanabe, Keiichi; Watson, Paul S.; Welch, Patricia K.; Covington, Maryanne; Stowell, Nicole C.; Wadman, Eric A.; Davies, Paul; Solomon, Kimberly A.; Newton, Robert C.; Trainor, George L.; Friedman, Steven M.; Decicco, Carl P.; Duncia, John V.
CORPORATE SOURCE: Experimental Station, Bristol-Myers Squibb Company, PO Box 80336, Wilmington, DE, 19880-0336, USA
SOURCE: Bioorganic & Medicinal Chemistry Letters (2002), 12(13), 1785-1789
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB CCR3 antagonist leads with IC50 values in the .mu.M range were converted into low nM binding compds. that displayed in vitro inhibition of human eosinophil chemotaxis induced by human eotaxin. In particular, 4-benzylpiperidin-1-yl-n-propylureas and erythro-3-(4-benzyl-2-(.alpha.-hydroxyalkyl)piperidin-1-yl)-n-propylureas (obtained via Beak reaction of N-BOC-4-benzylpiperidine) exhibited single digit nanomolar IC50 values for CCR3.
IT **276871-86-4 276872-58-3 480429-75-2**
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(structure-activity relationships of CCR3 antagonists as antiasthmatics)
RN 276871-86-4 CAPLUS
CN 4-Morpholinecarboxamide, 2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-N-(3-methoxyphenyl)- (9CI) (CA INDEX NAME)



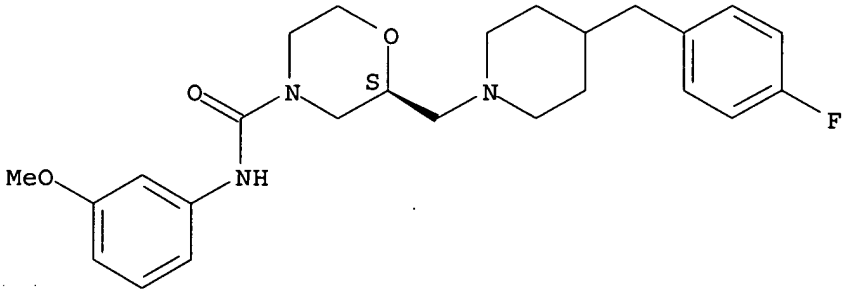
RN 276872-58-3 CAPLUS
CN 4-Morpholinecarboxamide, 2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-N-(3-methoxyphenyl)-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 480429-75-2 CAPLUS
CN 4-Morpholinecarboxamide, 2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-N-(3-methoxyphenyl)-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

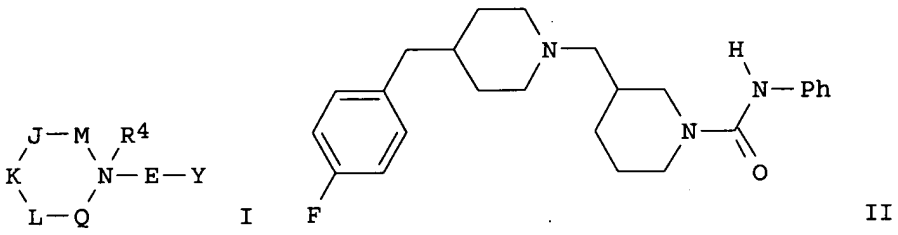
L9 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 2000:421105 CAPLUS
DOCUMENT NUMBER: 133:58720
TITLE: Preparation of heterocyclic piperidines as modulators of chemokine receptor activity
INVENTOR(S): Ko, Soo S.; Delucca, George V.; Duncia, John V.; Santella, Joseph B., III; Wacker, Dean A.
PATENT ASSIGNEE(S): Du Pont Pharmaceuticals Co., USA
SOURCE: PCT Int. Appl., 219 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000035877	A1	20000622	WO 1999-US30314	19991217
W: AL, AU, BR, CA, CN, CZ, EE, HU, IL, IN, JP, KR, LT, LV, MK, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, VN, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 1140834	A1	20011010	EP 1999-964293	19991217
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 6331545	B1	20011218	US 1999-465949	19991217
US 2002119980	A1	20020829	US 2001-981833	20011018

PRIORITY APPLN. INFO.: US 1998-112714P P 19981218

US 1999-465949 A3 19991217
WO 1999-US30314 W 19991217
OTHER SOURCE(S): MARPAT 133:58720

GI

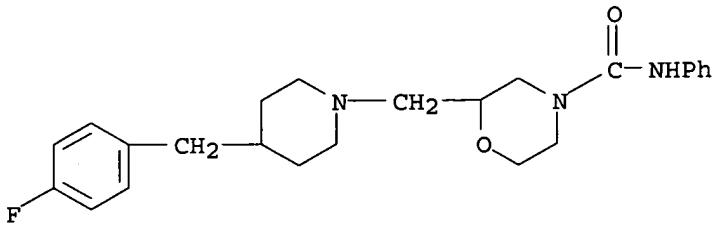


I II

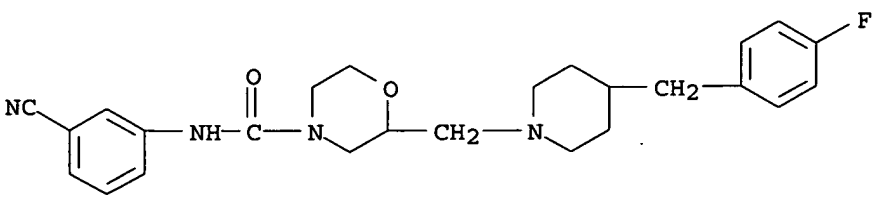
AB The title compds. [I; M = absent, CH2, (4-FC6H4CH2)CH, etc.; Q = CH2, (4-FC6H4CH2)CH, etc.; J, K, L = CH2, (4-FC6H4CH2)CH, etc.; E = CH2, (CH2)2, etc.; Y = piperidinyl, piperazinyl, isoquinolinyl, etc. (N-substituted with CONHPh, COPh, etc.); R4 = absent, alkyl, alkenyl, etc.], modulators of CCR3 useful for the prevention of asthma and other allergic diseases, were prepd. and formulated. E.g., a multi-step synthesis of II was given. Compds. I are effective at 1.0-20 mg/kg/day.

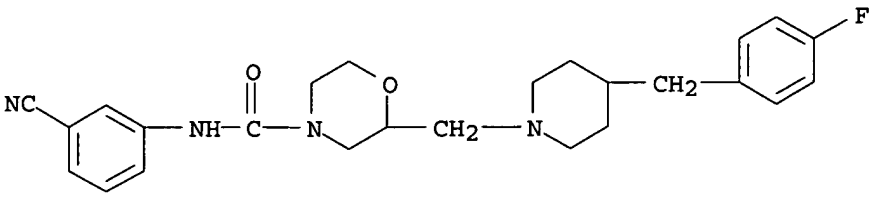
IT **276871-80-8P 276871-81-9P 276871-82-0P**
276871-83-1P 276871-84-2P 276871-85-3P
276871-86-4P 276872-57-2P 276872-58-3P
276872-59-4P 276872-60-7P 276872-61-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of heterocyclic piperidines as modulators of chemokine receptor activity)

RN 276871-80-8 CAPLUS
CN 4-Morpholinecarboxamide, 2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-N-phenyl- (9CI) (CA INDEX NAME)

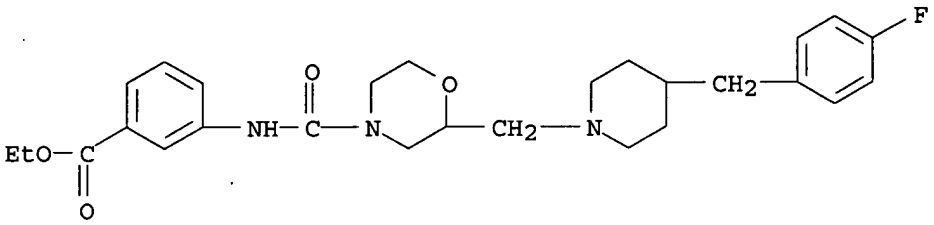


RN 276871-81-9 CAPLUS
CN 4-Morpholinecarboxamide, N-(3-cyanophenyl)-2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

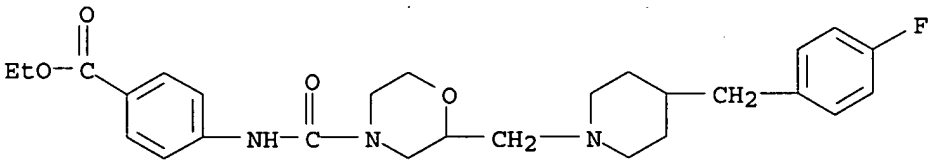




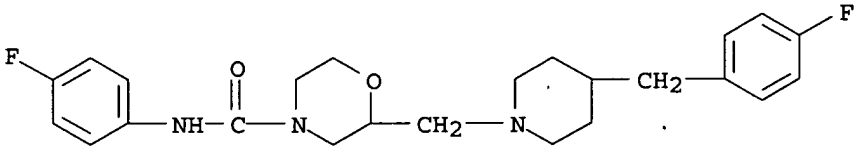
RN 276871-82-0 CAPLUS
CN Benzoic acid, 3-[[[2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-4-morpholinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



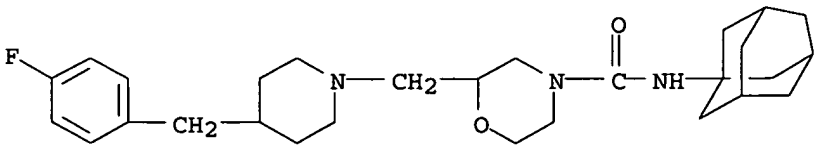
RN 276871-83-1 CAPLUS
CN Benzoic acid, 4-[[[2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-4-morpholinyl]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 276871-84-2 CAPLUS
CN 4-Morpholinecarboxamide, N-(4-fluorophenyl)-2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]- (9CI) (CA INDEX NAME)

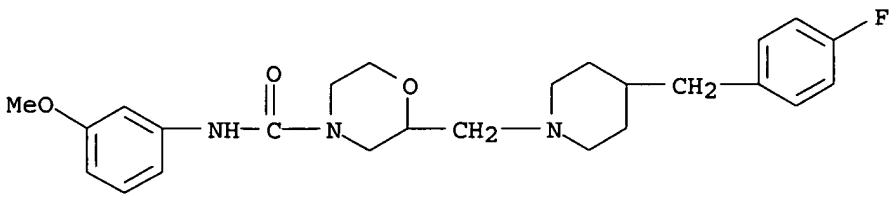


RN 276871-85-3 CAPLUS
CN 4-Morpholinecarboxamide, 2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-N-tricyclo[3.3.1.13,7]dec-1-yl- (9CI) (CA INDEX NAME)



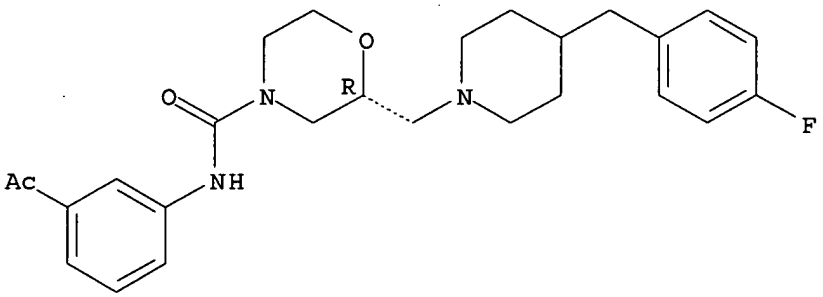
RN 276871-86-4 CAPLUS

CN 4-Morpholinecarboxamide, 2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-N-(3-methoxyphenyl)- (9CI) (CA INDEX NAME)



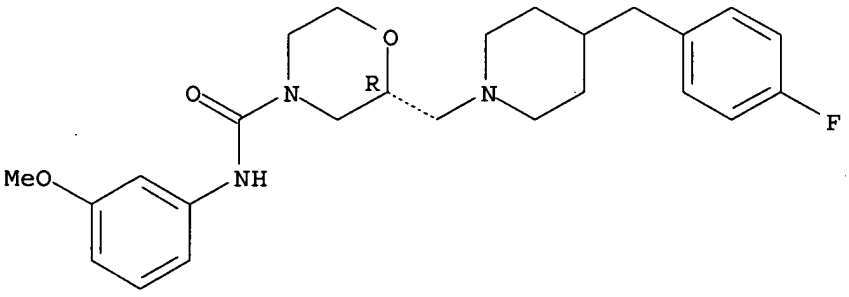
RN 276872-57-2 CAPLUS
CN 4-Morpholinecarboxamide, N-(3-acetylphenyl)-2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



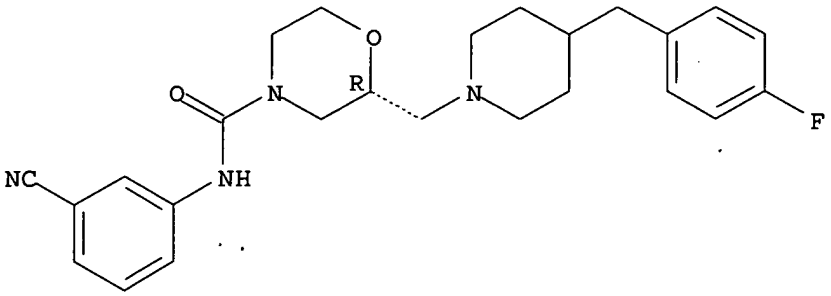
RN 276872-58-3 CAPLUS
CN 4-Morpholinecarboxamide, 2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-N-(3-methoxyphenyl)-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



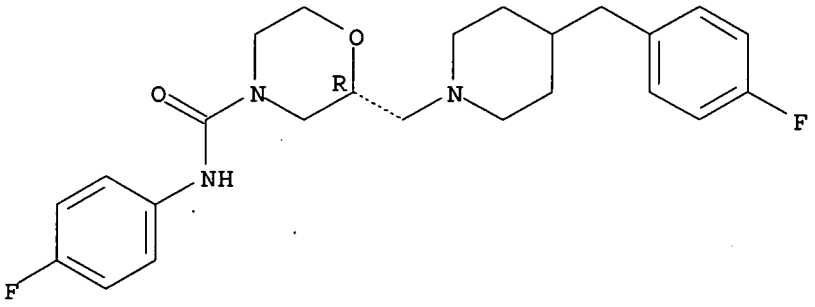
RN 276872-59-4 CAPLUS
CN 4-Morpholinecarboxamide, N-(3-cyanophenyl)-2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



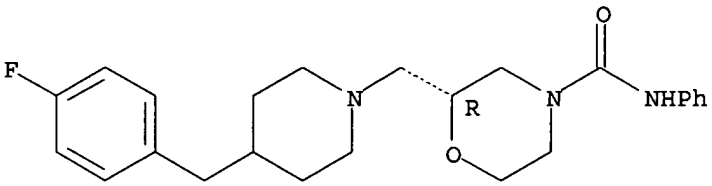
RN 276872-60-7 CAPLUS
CN 4-Morpholinecarboxamide, N-(4-fluorophenyl)-2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 276872-61-8 CAPLUS
CN 4-Morpholinecarboxamide, 2-[[4-[(4-fluorophenyl)methyl]-1-piperidinyl]methyl]-N-phenyl-, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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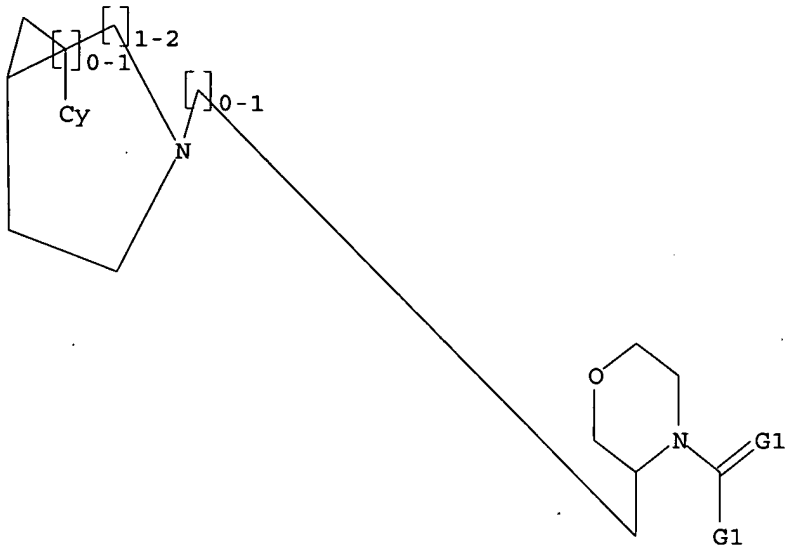
09/288,556

L4 STR



G1 O,N

Structure attributes must be viewed using STN Express query preparation.

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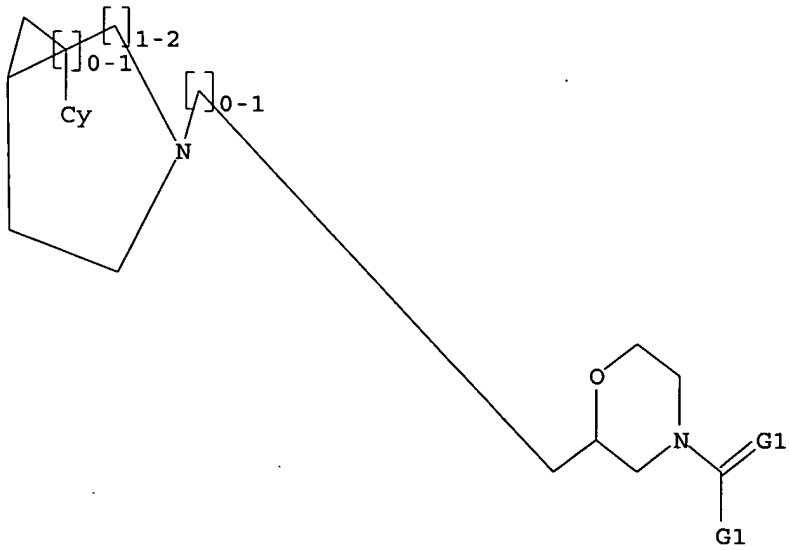
L5 HAS NO ANSWERS
L5 STR



G1 O,N